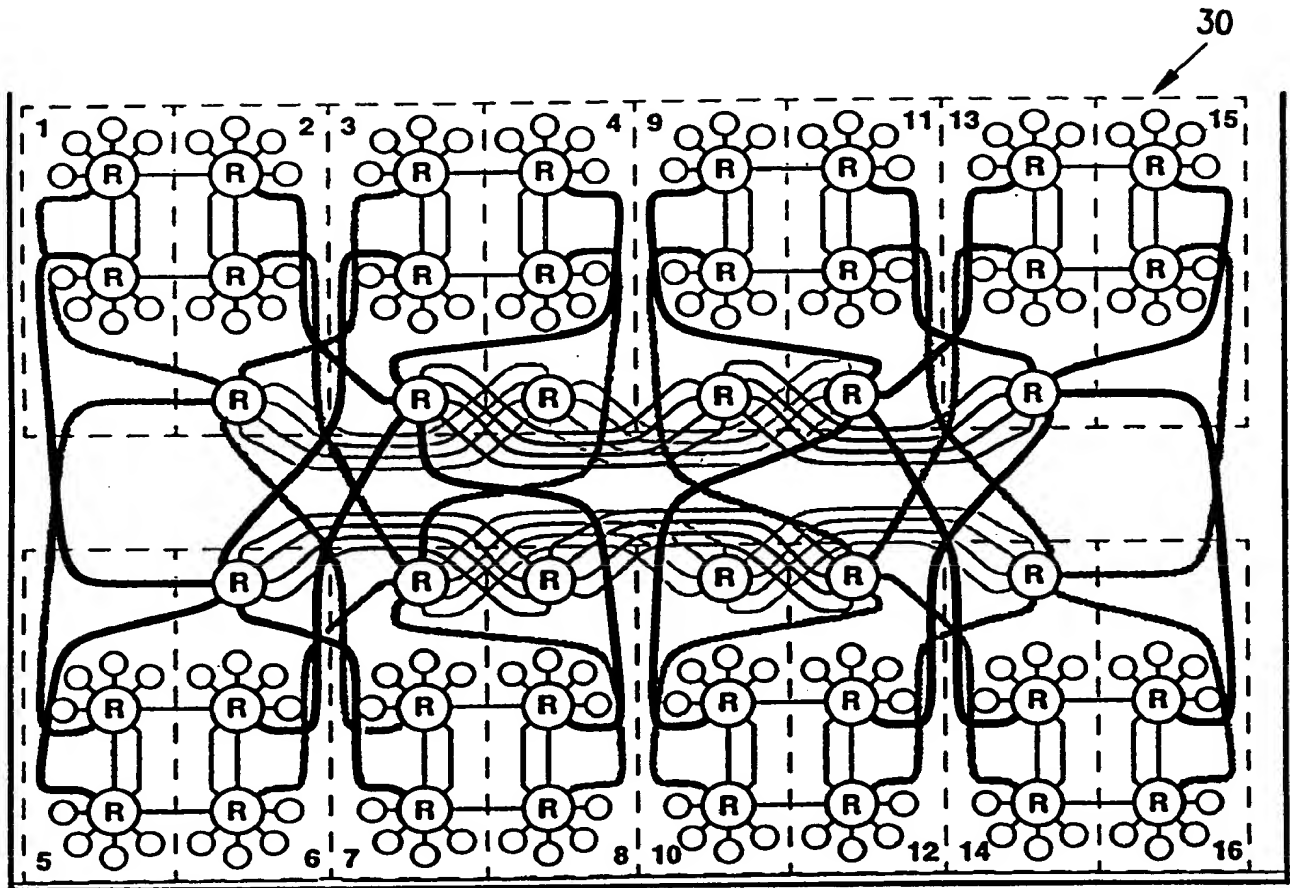


FIG. 1A



512 CPU

EXTENDED HYPERCUBE TOPOLOGY

FIG. 1B

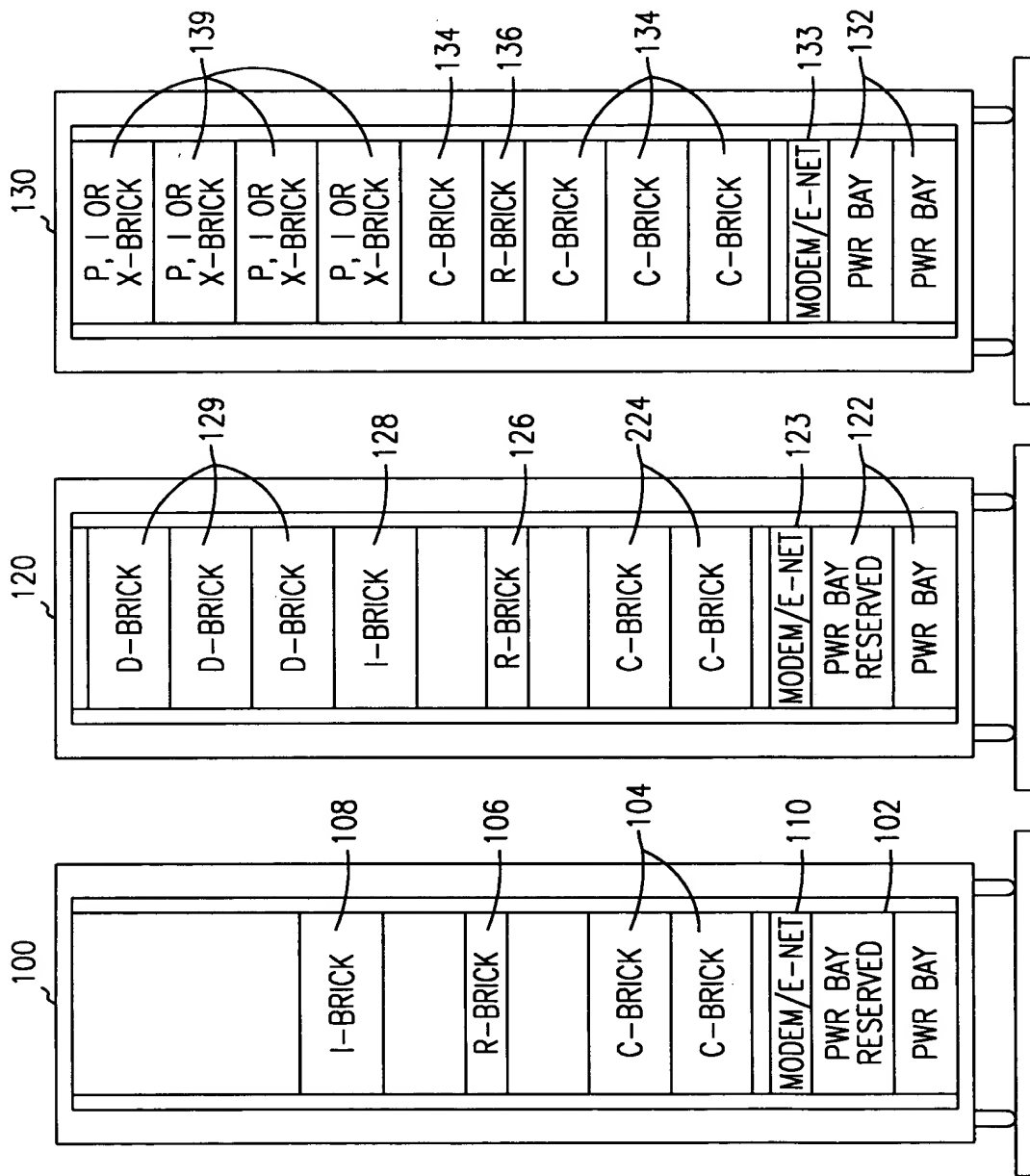


FIG. 1C

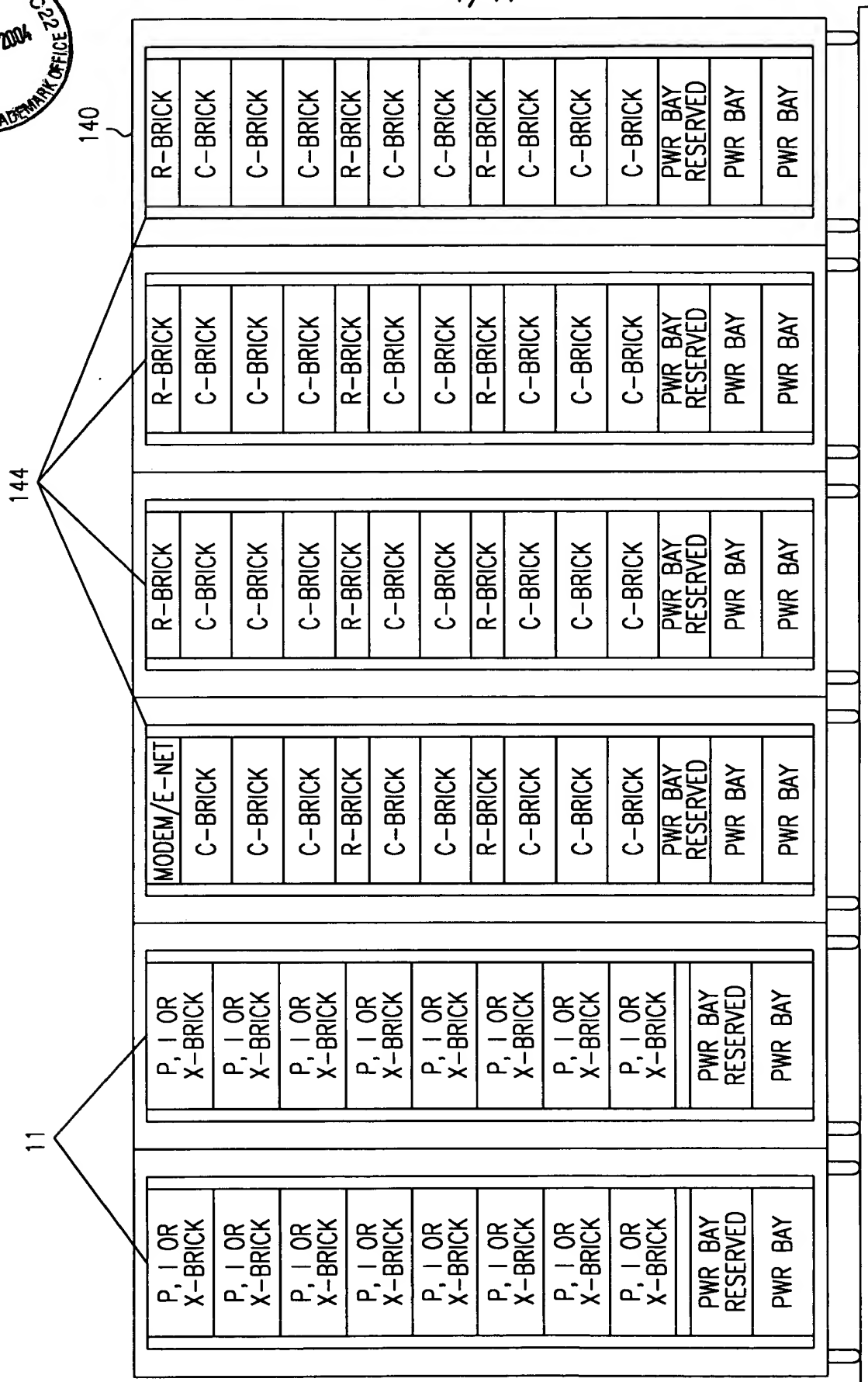


FIG. 1D

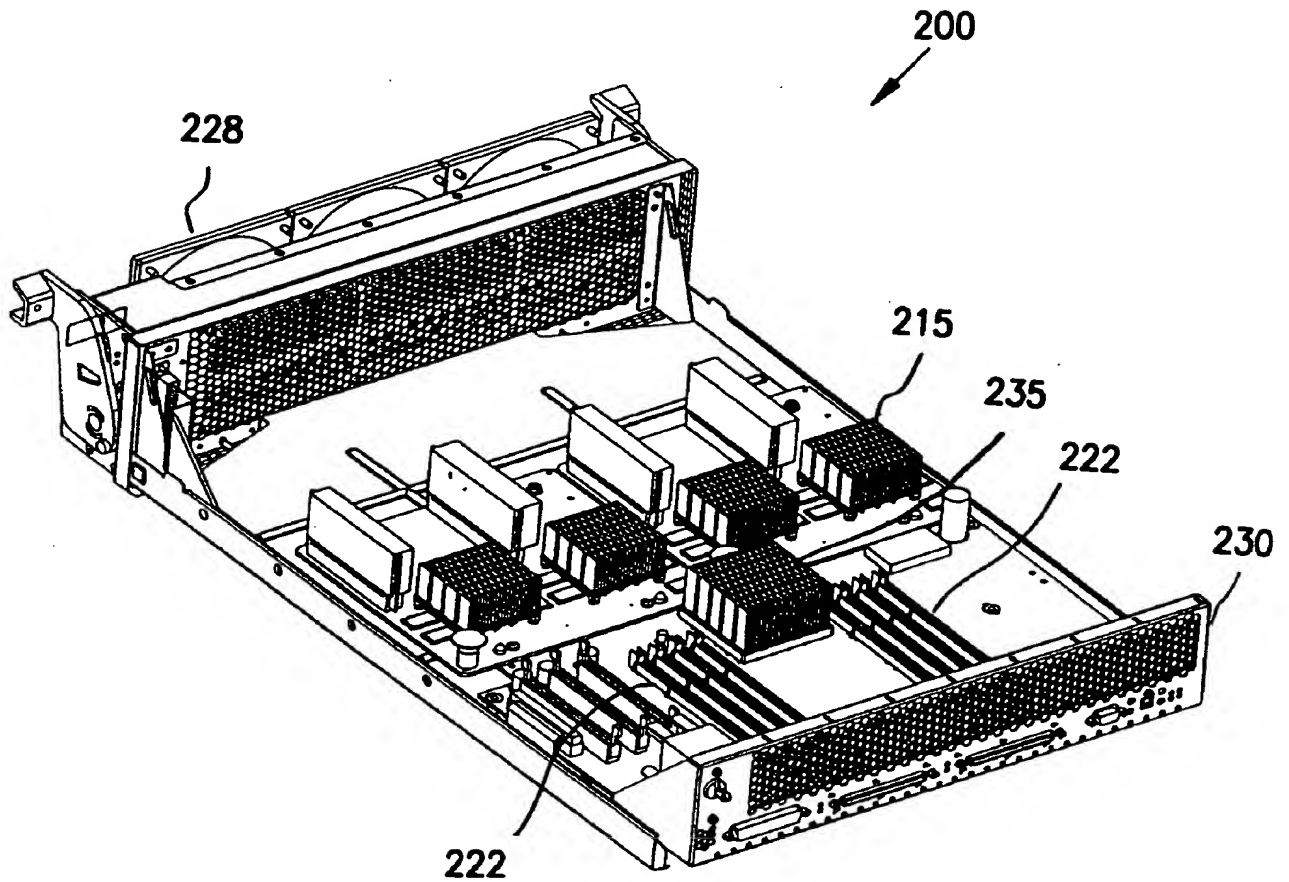


FIG. 2

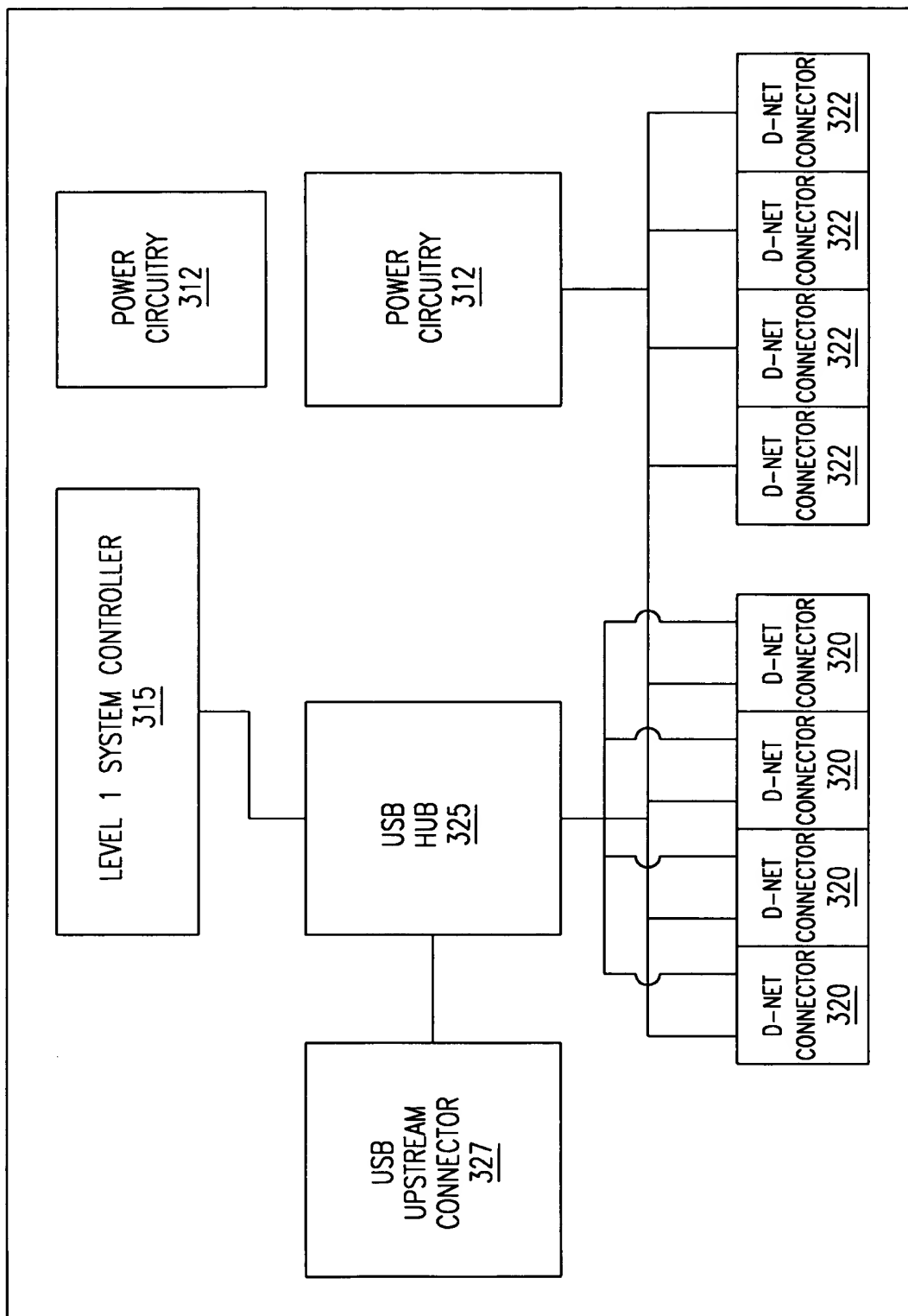
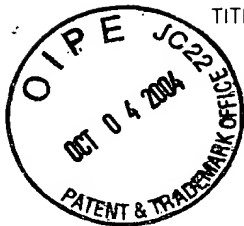


FIG. 3



TITLE: MODULAR COMPUTING ARCHITECTURE HAVING COMMON COMMUNICATION INTERFACE
INVENTOR NAME: Martin M. Deneroff et al.
SERIAL NO.: 09/408,874

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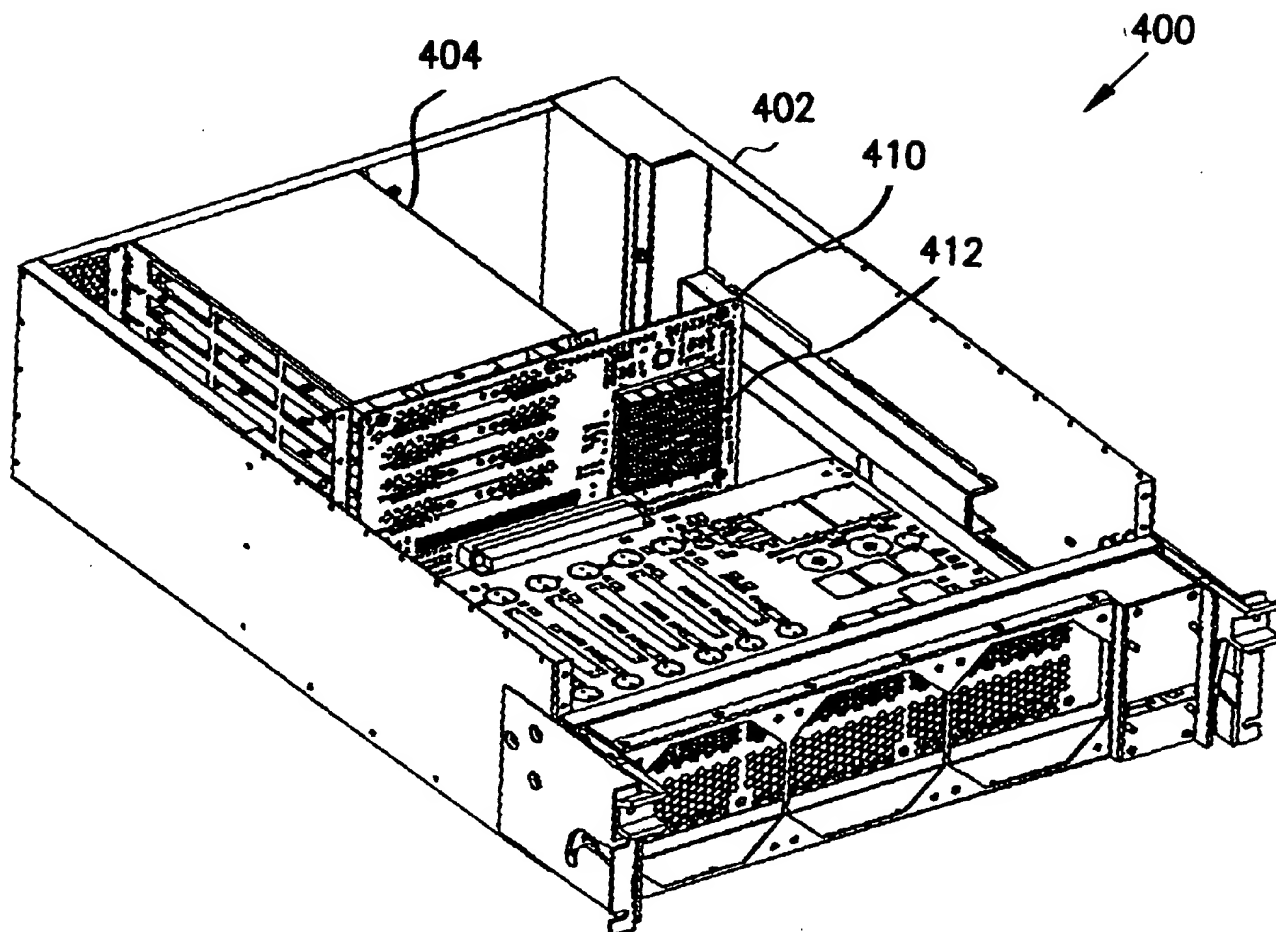
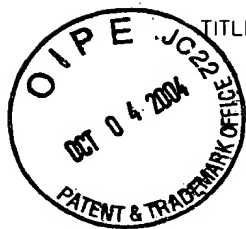


FIG. 4



TITLE: MODULAR COMPUTING ARCHITECTURE HAVING COMMON COMMUNICATION INTERFACE
INVENTOR NAME: Martin M. Deneroff et al.
SERIAL NO.: 09/408,874

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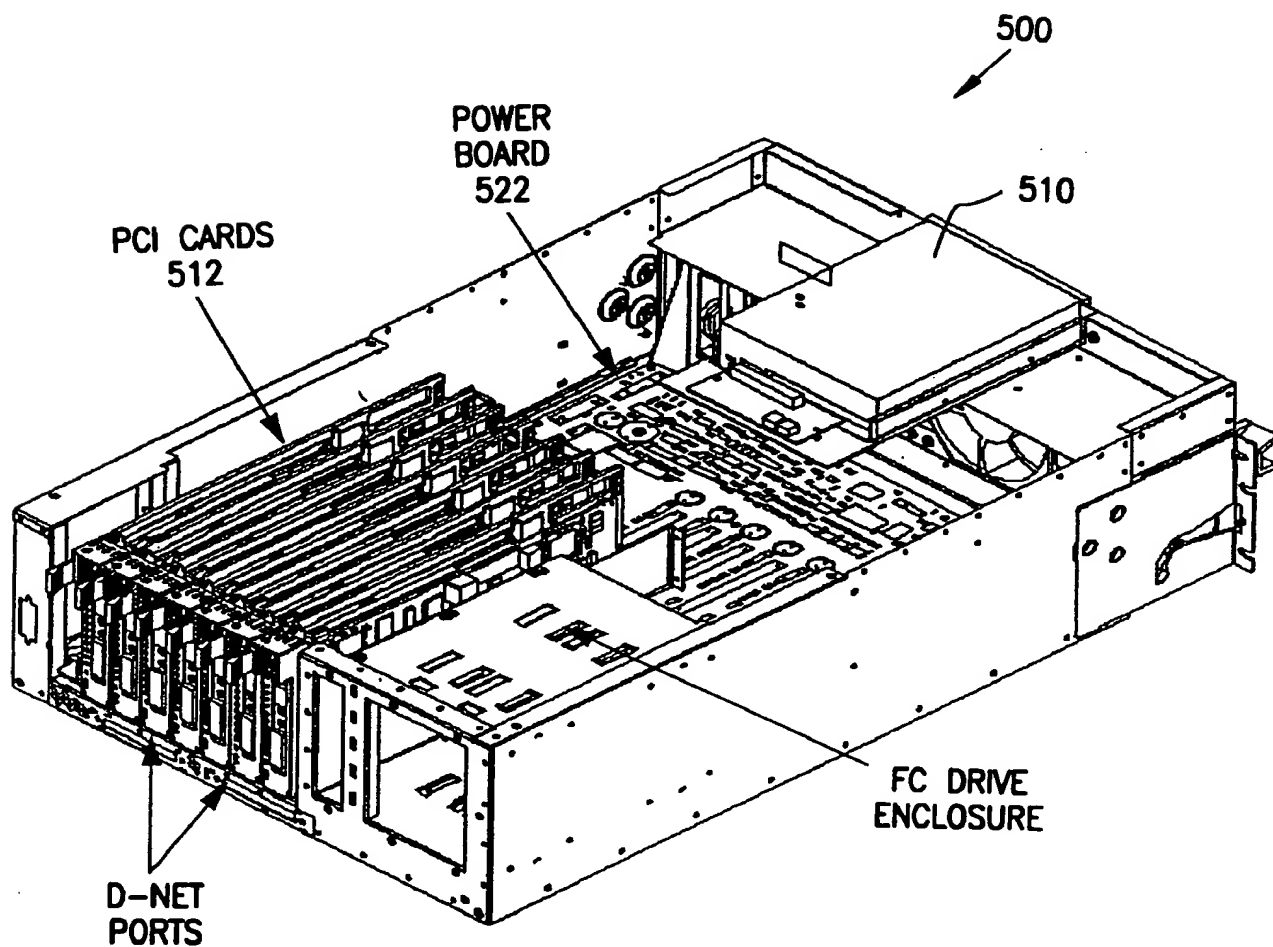


FIG. 5

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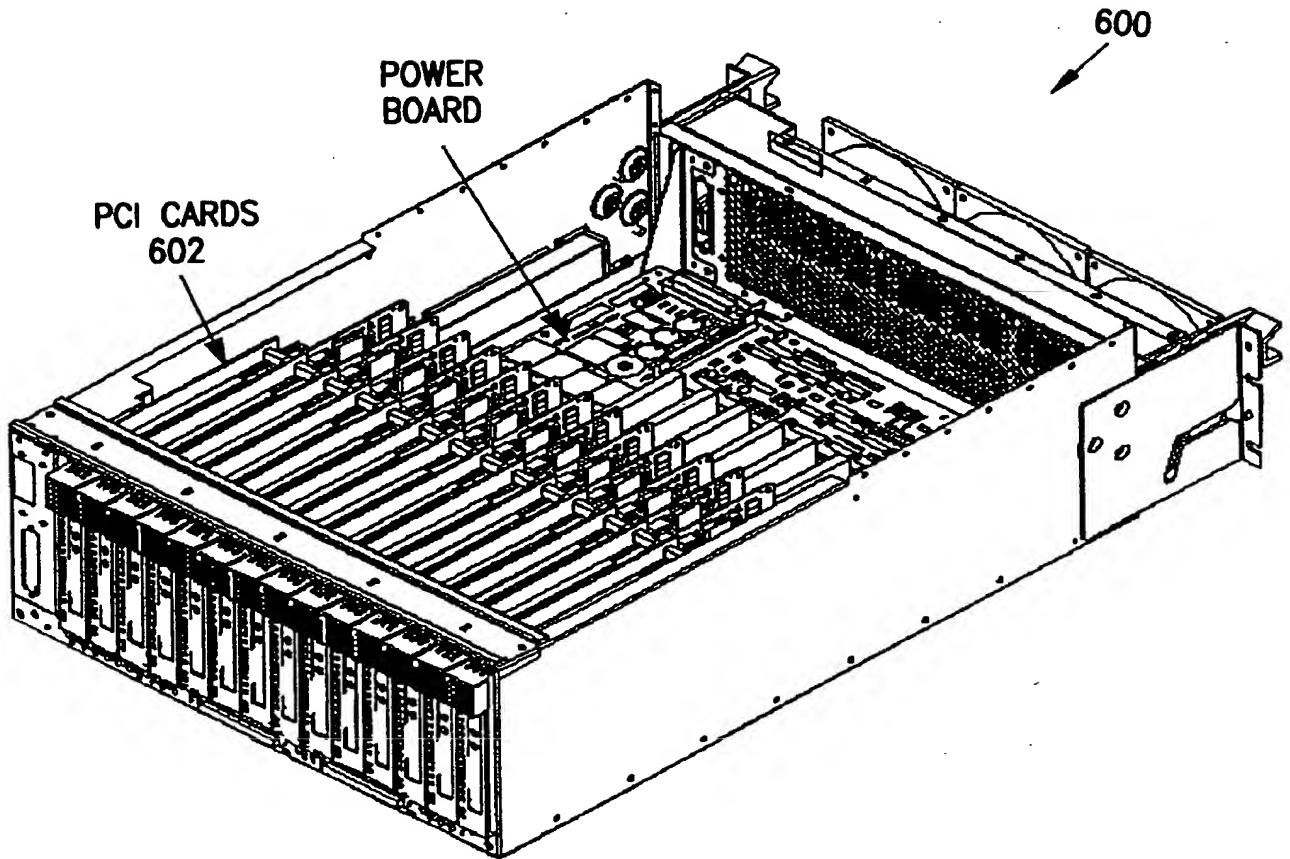
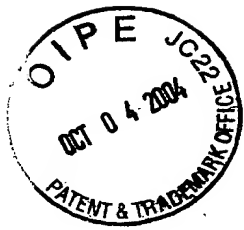


FIG. 6



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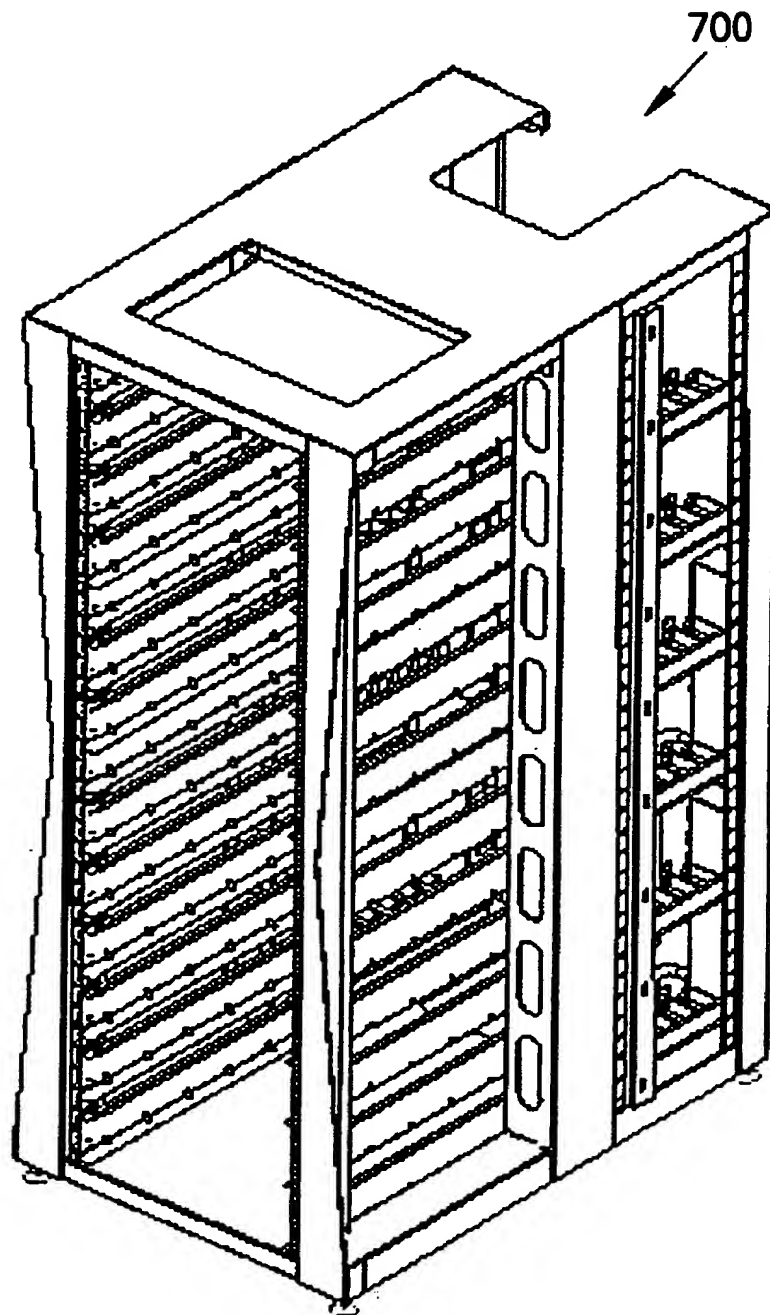


FIG. 7



TITLE: MODULAR COMPUTING ARCHITECTURE HAVING COMMON COMMUNICATION INTERFACE
INVENTOR NAME: Martin M. Deneroff et al.
SERIAL NO.: 09/408,874

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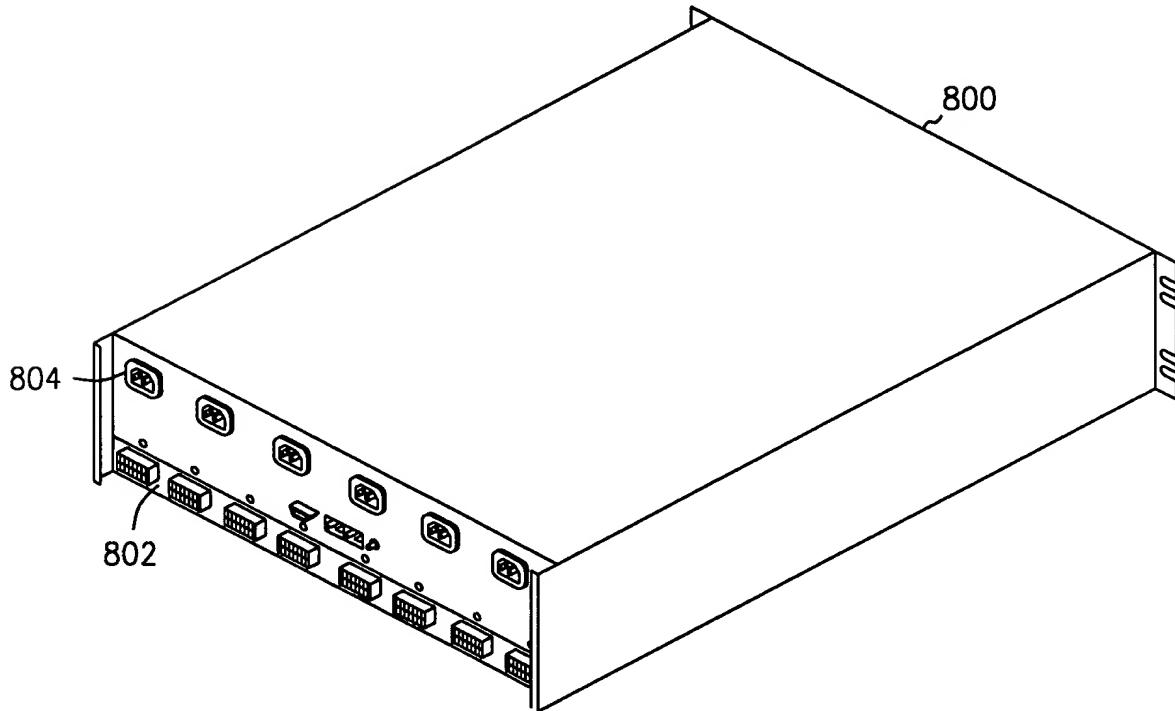


FIG. 8

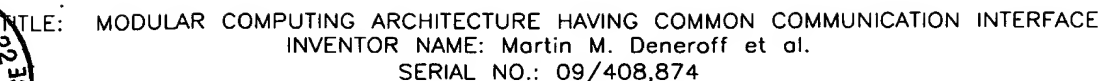


Figure 1 is a network architecture diagram. At the top, a 10/100 BASE T GENERAL ENET (925) connects to an L3 CONTROLLER (OPT. IN M, L) (906). The L3 controller connects to an ENET HUB (914) and a 10 BASE T LOCAL ENET (920). The ENET HUB connects to an L2 CONTROLLER (904) and a META ROUTER (912). The L2 controller and Meta Router are connected via dashed lines to two parallel paths of Routers (910). Each Router (910) is connected to four C-BRICK (914) units. A dashed line labeled 'USB CABLES' connects the L2 controller and Meta Router to the Routers. A legend box indicates: BLACK=ENET, RED=USB, BLUE=RS485. A note states: RS485 SIGNALS IN X TOWN 2 CABLES. The bottom path ends with an I, P OR X-BRICK unit.

FIG. 9

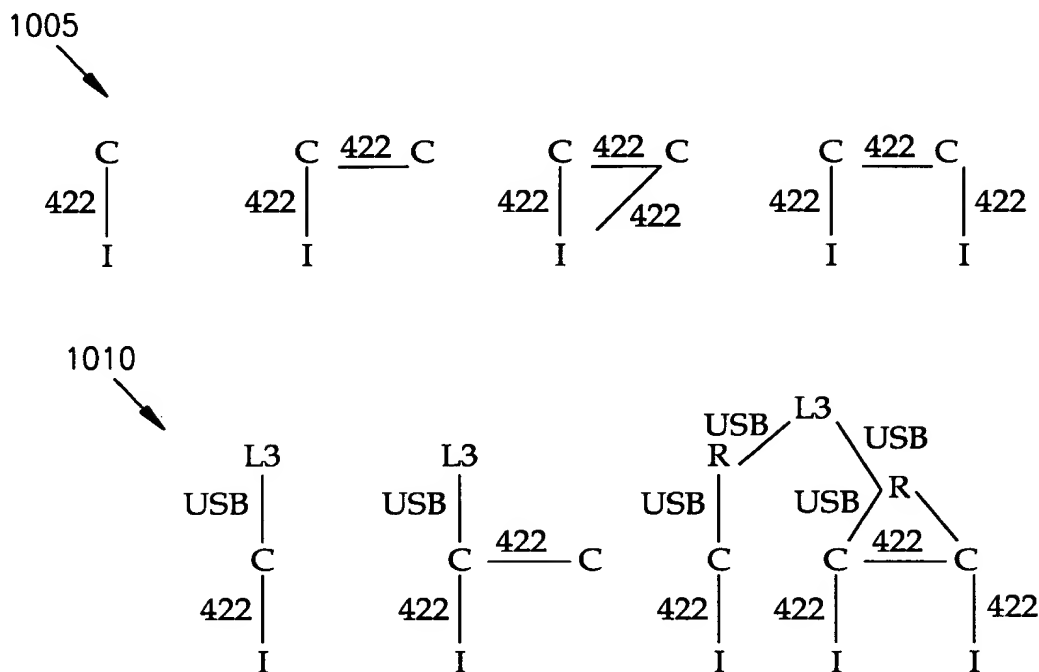


FIG. 10

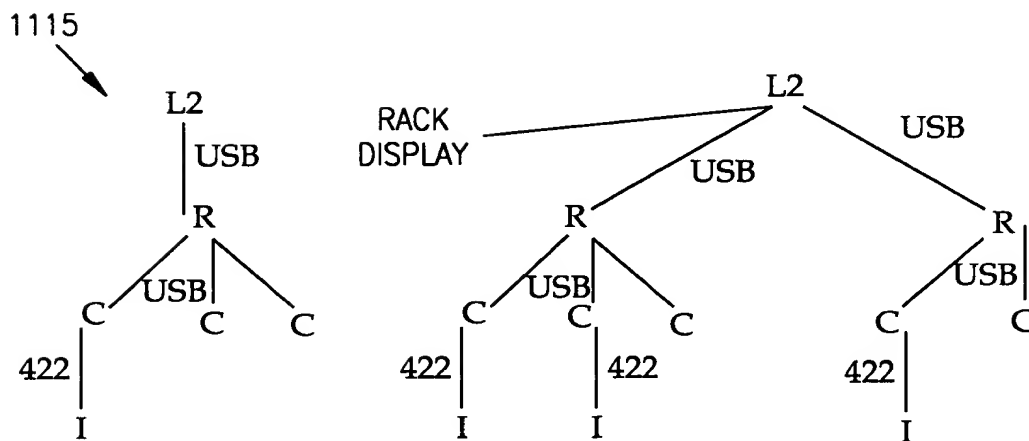


FIG. 11

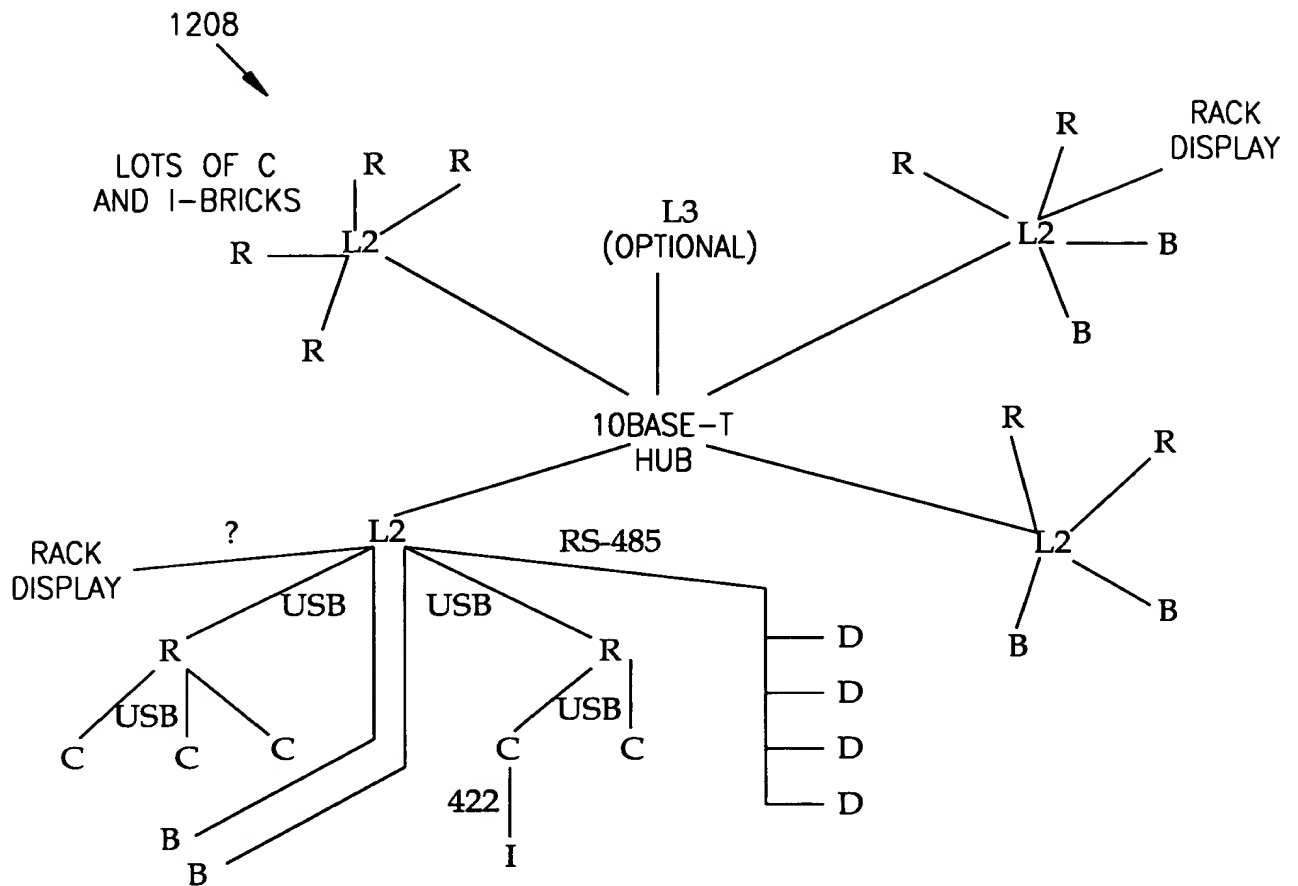


FIG. 12



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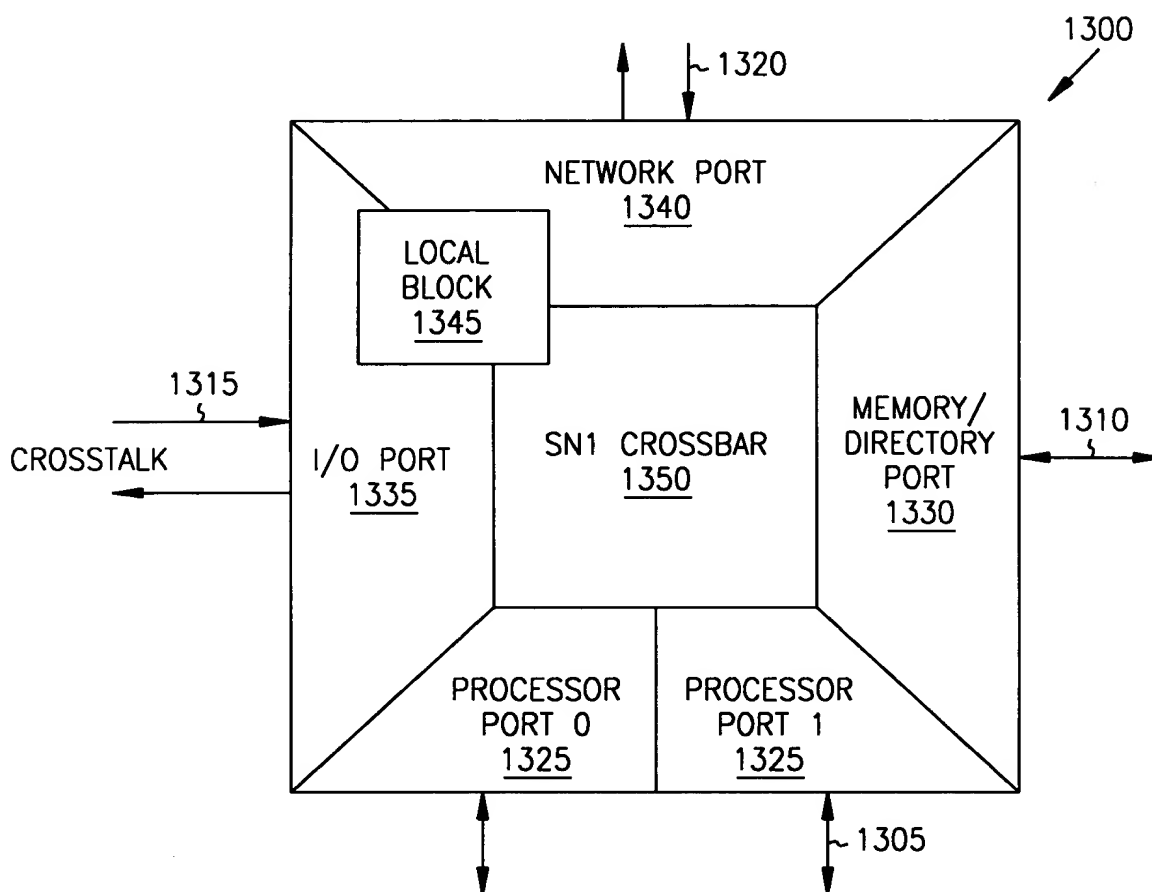


FIG. 13



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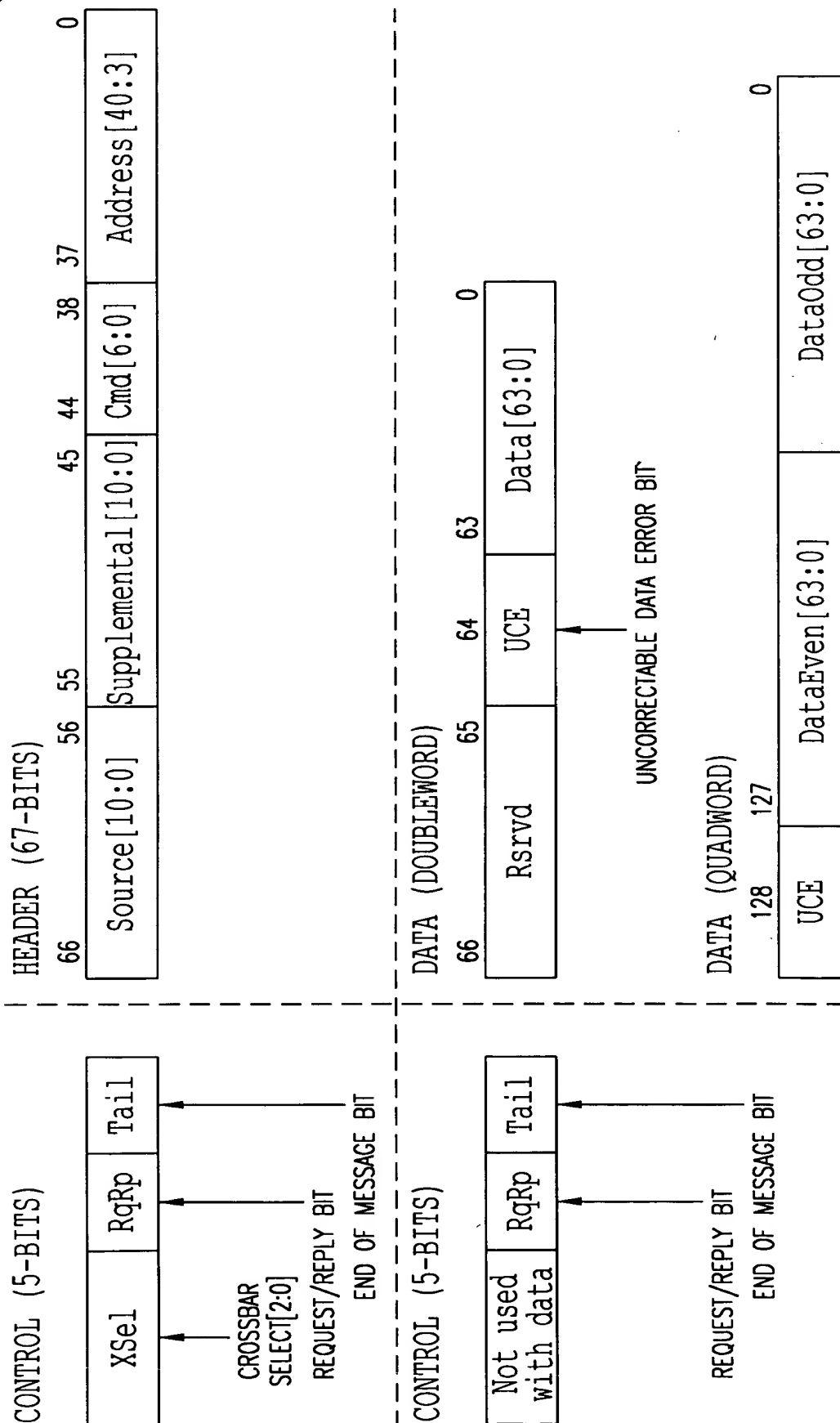


FIG. 14



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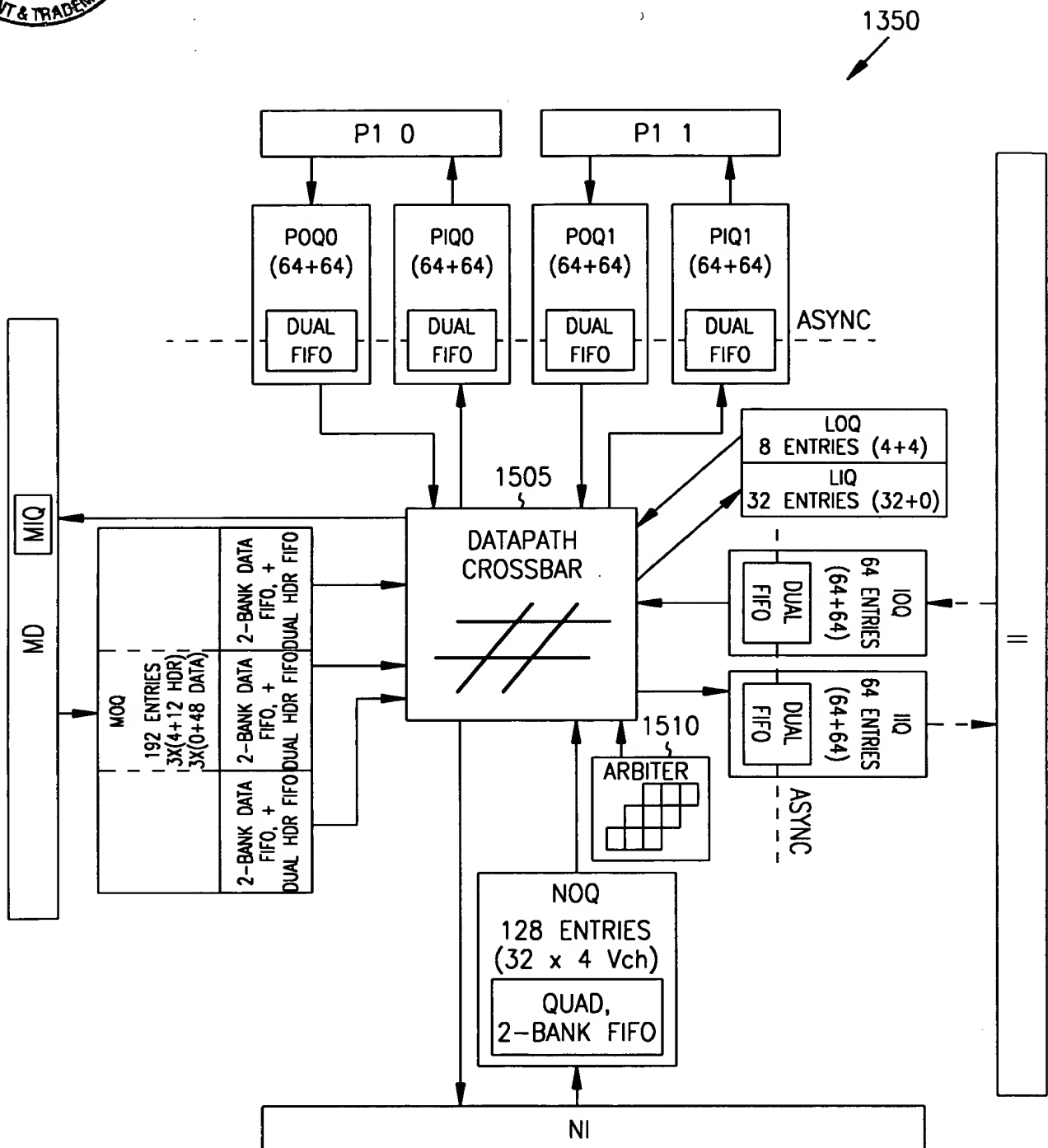


FIG. 15